

## ABSTRACT

To provide a method for leveling spectroscope response characteristics for correcting the difference between spectroscope response characteristics generated due to the difference between response characteristics of a light source, spectrometer, and sensor. To provide a method for obtaining the difference spectrum between a parent unit and a child unit by subtracting the spectrum of a standard substance measured by the parent unit from the spectrum of the standard substance measured by the child unit and adjusting the response characteristic of the child unit to the response characteristic of the parent unit by subtracting the difference spectrum from the spectrum of each sample to be measured by the child unit. In the case of an apparatus which is constituted of a light source, spectroscope, and sensor and to which a near infrared spectroscopy is applied, a shift of an absorbance value in each wavelength of the child unit from the absorbance value of the parent unit is similarly generated in each sample to be measured. Therefore, by subtracting the shift of the absorbance value at each wavelength from the spectrum of each sample, it is possible to correct the spectrum distortion generated due to the difference between response characteristics of spectrosopes.